



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : A61K 48/00, C07H 21/04, C12N 15/63, 15/86, 5/10, 15/40	A1	(11) International Publication Number: WO 99/37331 (43) International Publication Date: 29 July 1999 (29.07.99)
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(21) International Application Number: PCT/US99/01382

(22) International Filing Date: 21 January 1999 (21.01.99)

(30) Priority Data:
60/072,033 21 January 1998 (21.01.98) US(63) Related by Continuation (CON) or Continuation-in-Part (CIP) to Earlier Application
US 60/072,033 (CON)
Filed on 21 January 1998 (21.01.98)

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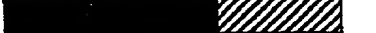





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(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published

With international search report.

(54) Title: TARGETING GENE TRANSFER VECTORS TO CERTAIN CELL TYPES BY PSEUDOTYPING WITH VIRAL GLYCOPROTEIN

	Receptor Recognition Domain	Mucin-like Domain	TM Domain	Ability to Pseudotype	Toxicity
GP				++	+++
	Furin Cleavage Site →				
GP (ΔMuc)				+++	-
	Furin Cleavage Site →				
GP (ΔMuc-ΔFur)				+++	-
sGP				+++	-
sGP				-	-

(57) Abstract

The present invention provides compositions and methods for targeting gene transfer vectors to certain cell types by pseudotyping with a transmembrane form of viral glycoprotein, such as that from Ebola virus. The methods comprise the step of administering to a cell population a gene to be transferred operatively linked to an appropriate transfer vehicle, wherein the transfer vehicle is associated with a transmembrane form of viral glycoprotein.